ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version

Stylesheet Version v18.0

Title of Invention

SIMULTANEOUS MULTI-BEAM PLANAR ARRAY IR (PAIR)
SPECTROSCOPY

Application Number:

Confirmation Number:

First Named Applicant:

Douglas Elmore

Attorney Docket Number:

11657-00004-US

Art Unit:

N/A

Examiner:

Not Yet Assigned

Search string:

(4678332 or 0028036 or 3880523 or 4956555 or 5157258 or 5444236 or 5519219 or 5377003 or 6483112 or 5528368 or 6031233 or 6236508 or 5539518 or 5491344

01 3377 003 01 0403112 01 3320300 01 0031233 01 0230300 01 3335

or 5371358 or 5828450 or 6355930).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee-	Kind	Class	Subclass
CH	AA	4678332	1987-07-07	Rock, et al.			
	AB	0028036	2001-10-11	Thundat, et al.	A1	•	
C/4	AC	3880523	1975-04-29	Thomas			
CH	AD	4956555	1990-09-11	Woodberry	0		
CH	AE	5157258	1992-10-20;	Gunning, III et al.			
CH	AF	5444236	1995-08-22	Ludington et al.			
CH	AG .	5519219	. 1996-05-21	Alexay et al.			
CH	AH	5377003	1994-12-27	Lewis et al.			
CH	Al	6483112	2002-11-19	Lewis	B1		
CH	AJ	5528368	1996-06-18	Lewis et al.			
LH	AK	6031233	2000-02-29	Levin et al.			
CH	AL	6236508	2001-05-22	Stapelbroek	B1		
04	AM	5539518	1996-07-23	Bennett			
CH	AN	5491344	1996-02-13	Kenny et al.			
CH	AO	5371358	1994-12-06	Chang et al.			
CH	AP	5828450	1998-10-27	Dou et al.			
CH	AQ	6355930	2002-03-12	Sivathanu et al.	B1		

Signature

Examiner Name	Date
CONSTANTINE HANNAHER	SEP 2 8 2004

PTO/SECEAN (03-00)

Approved for use through 67/31/2003. OMB 0551-0031

U.S. Pattern and Trademark Critica U.S. DEPARTMENT OF COMMERCE

Sub	stitute for form 1449A/	вирто			Complete If Known
			1. 87. C	Application Number	10/708,927-Conf. #2926
IN	FORMATI	ON DIS	CLOSURE	Filing Date	April 1, 2004
S	STATEMENT BY APPLICANT			First Named Inventor	Douglas L. Elmore
				An Unit	N/A
	(Use as many sheets as necessary)		Examiner Name	Not Yet Assigned	
neet	1	of	1	Attorney Docket Number	11657-00004-US

U.S. PATENT DOCUMENTS					
Examiner	Cite	Dooument Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initiats*	No."	Humber-IQnd Code [®] (Filmoven)	MMOD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	CRe No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁶ (# Innown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Resevent Figures Appear		
		18.81.10.0	, .				

'EXAMINER: bitfal 8 reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. "Applicants unique citation designation number (optional). "See Kinds Codes of USPTO Paters Documents at https://www.infah.nov or MPEP 801.04. "Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). "For Japaneses patert documents, the Indication of the year of the Engager must precede seeital number of the patert document." Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. "Applicant is to place a check mark here it English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	include name of the author (in CAPITAL LETTERS), fille of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, stc.), date, page(s), volume-issue number(s), publisher, chy and/or country where published.	T ⁰
CH	CA	R.G. Snyder, S.L. Hsu, and S. Krimm, Vibrational Spectra in the C-H Stretching Region and the Structure of the Polymethylene Chain, Spectrochimica Acta.Vol. 34A, pp. 395-406, 1978.	

*EXAMINER: tritial if reference considered, whether or not obtains it in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

'Applicant's unique charion designation number (optional). "Applicant is to place a check mark here it English language Translation is attached.

CONSTANTINE HANNAHER

PTO/SB/08a/b (06-03)
Approved for use through 07/31/2003. CMB 0931-0031
U.S. Petent and Tradement Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are sequind to respond to a callection of intermedian unless 8 contains a valid CMB control number.

Substit	Substitute for form 1449A/B/PTO				Complete If Known
			and the same algebraic sur-	Application Number	10/708,927-Conf. #2926
INF	ORMATI	ON DISC	LOSURE	Fling Date	April 1, 2004
ST	STATEMENT BY APPLICANT			First Named Inventor	Douglas L. Elmore
	*****			Art Unit	NA
	(USB BB ITTEN	y sheets as nec	essery)	Examiner Name	Not Yet Assigned
Sheet	1	of	5	Attorney Docket Number	11857-00004-US

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cité No.1	Document Number Number-Kind Code ^a (Filmown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unos, Where Relevant Passages or Relevant Figures Appear
<u> </u>					

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Căe No.	Foreign Patent Occument Country Code*-Number*-fünd Code* (Filmown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Oited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7	
O#	BA	DE-29 38 844-A1	04-23-1981	Schaumburg		Н	

"EXAMINER: Initial if reterence considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. "Applicants unique citation designation number (optional). "See Kinds Codes of USPTO Patent Documents at www.usem.cov or MPEP 801.04. "Emer Office that issued the document, by the two-letter code (WIPO Standard 87.3). "Por Japanese patent documents, the Indication of the year of the pign of the Employer must precede the aprilogistic symbols as Indicated on the document under WIPO Standard 67. 16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Mitials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the flam (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published,	۳
C14	CA	CVI Product Template 5 for SM301 PbS Array Spectrometer, www.ovilaser.com/spectral/am301-929.asp?pcid=349 (downloaded and printed from WWW on 9/24/01).	
CH	СВ	M. Stetzle, J. Tuchtenhagen, J.F.Rabolt, Novel All-Fibre Optic Fourier Transform Spectrometer with Thermally Scanned Interferometer, Microchim. Acta [Suppl.] Vol. 14, pp. 785-787, 1997.	<u> </u>
C1+	CC	Yamamoto, Klyoshi; Ishida, Hatsuo: Interpretation of Reflection and Transmission Spectra for This Films: Reflection, Applied Spectroscopy, Vol. 48, No. 7, 1994, p. 775-787.	Г
CH	CD	Yamamoto, Kiyoshi; lehida, Hatsuo: Optical theory applied to infrared spectroscopy, Vibrational Spectroscopy, 8 (1994), p. 1-38.	-
CH	CE	Gericke, Arne; Michailov, Alexander-V; Huhnerfuss, Heinrich: Polarized external infrared reflection-absorption spectrometry at the air/water interface: comparison of experimental and theoretical results for different angles of incidence, Vibrational Spectroscopy, 4 (1993), p. 335-348.	
CH	CF	Mendelsohn, Richard; Brauner, Joseph W.; Gericke, Ame: External infrared reflection absorption spectrometry of monolayer films at the air-water interface, Annu.Rec. Phys Chem 1995, 46, p. 305-333	
C14	CG	Grandbols, Michel; Desbat, Bernard; Salesse, Christian: Monitoring of phospholipids monotayer hydrolysis by phospholipase A2 by use of polarization-modulated Fourier transform infrared spectroscopy, Biophysical Chemistry, 88 (2000), p. 127-135.	
CH	CH	Grandbols, Michel; Desbat, Bernard; Blaudez, Danlel; Salesse, Christian: Polarization- Modulated Infrared Reflection Absorption Spectroscopy Measurement of Phospholipid Monolayer Hydrolysis by Phospholipase C, Langmuir, Vol. 15, No. 18, 1999, p. 6594-6597.	
CH	CI	Flach, Carol R.; Brauner, Joseph W.; Mendelsohn, Richard: Calcium Ion Interactions with Inscluble Phospholipid Monolayer Films at the AW Interface, External Reflection-Absorption IR Studies, Biophysical Journal, Vol. 65, November 1893, p. 1984-2001.	
214	CI	Mitchell, Melody L.; Dluhy, Richard A.: In Situ FT-IR Investigation of Phospholipid Monolayer Phase Transitions at the Air-Water Interface, Journal of the American Chemical Society, 1988, 110, p. 712-718.	
CH	ĊK	Dluhy, Richard A.; Reilly, Kim E.; Hunt, Rodney D.; Mitchell, Melody L.; Mautone, Alan J.;	

Examinor CONSTANTINE HANNAHE	R Date SEP 2 8 2004
------------------------------	---------------------

Sheet

PTO/SB/082/5 (08-03)
Approved for use through 07/31/2033, CMB 0631-0031
U.S. Pasani and Trademark Ortice; U.S. DEPARTMENT OF COMMERCE espond to a collection of information unties it contains a valid CMB control number.

Under the Peperwork Reduction Act of 1985, no persons are require Complete If Known Substitute for form 1449A/B/PTO Application Number 10/708,927-Conf. #2926 **INFORMATION DISCLOSURE** Filing Date April 1, 2004 STATEMENT BY APPLICANT First Named Inventor Douglas L. Elmore Art Unit NA (Use as many sheets as necessary) Examiner Name Not Yet Assigned 2 **5** 25 3 50 of Attorney Docket Number 11657-00004-US

Sheet		Mendelsohn, Richard: Infrared spectroscopic investigations of pulmonary surfactant Surface film transitions at the air-water interface and bulk phase thermotropism, Blophysical Journal, Vot. 56, December 1989, p. 1173-1181.
CIA	CL	Dluhy, Richard A: Quantitative External Reflection Infrared Spectroscopic Analysis of Insoluble Monolayers Spread at the Air-Water Infrared, The Journal of Physical Chemistry, Vol. 90, No. 7, 1986, p 1373-1379.
CH	CM	Rabolt, J.F.; Burns, F.C.; Schlotter, N.W.; Swalen, J.D.: Molecular orientation in this monolayer films by infrared spectroscopy, Journal of Electron Spectroscopy and Related Phenomena, 30 (1983) p. 29-34.
CH	1	Flach, Carol R.; Gericke, Arne; Mendelsohn, Richard: Quantitative Determination of Molecular Chain Tilt Angles in Monolayer Fires at the Air/Water Interface: Infrered Reflection/Absorption Spectroscopy of Behanic Acid Methyl Ester, J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-65.
CH	СО	Hunt, Rodney D.; Mitchell, Melody L.; Dluhy, Richard A.: The Interfacial Structure of Phospholipid Monolayer Films: and Infrared Reflectance Study, Journal of Molecular Structure, 214 (1989), p. 93-109.
CH	CP	Gericke, Arne; Mendelschn, Richard: Partial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hexadacanolc Acid Monotayers at the Air/Water Interface, Langmuir, 1996, 12; p. 758-762.
CH	CO	Gericke, Ame; Flach, Carol R.; Mendelsohn, Richard: Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitoylphosphatidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July 1997, p. 482-499.
1	CR	Baszkin, Adam; Norde, Willem: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, p.715-747.
CH	CS	Knobler, Charles M.; Desel, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, p. 208-236.
014	CT	Blaudez, Daniel; Buffeteau, Thierry; Desbat, Bernard; Turlet, Jean Marie: Intrared and Ramam spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1999), p.265-272.
CH	ĊŪ	Flach, Carol R.; Gericke, Arne; Mendelsohn, Richard: Quantitetive Determination of Molecular Chain Tilt Angles In Monolayer Films at the Air/Water Interfaces: Infrared Reflection/Absorption Spectroscopy of Behenic Acid Methyl Ester, J. Phys. Chem. B, 1997, 101, p.58-65.
LH	CV	Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Unlaxially Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, p. 5020-5027.
CH	CW	Buffeteau, T.; Le Calvez, E.; Castano, S.; Desbat, B.; Blaudez, D.; Dutouroq, J.: Anisotropic Optical Constants of a-Hellx and B-Sheet Secondary Structures in the Infrared, American Chemical Society, p. 1-6. Wd Shung Ton DC February 2000
DH	СХ	Dicko, Awa; Bourque, Halene; Pezolet, Michel: Study by Infrared spectroscopy of the conformation of dipalmitoylphosphatidylglycerol monolayers at the air-water interface and transferred on solid substrates, Chemistry and Physics of Lipids, 88 (1998), p. 125-139.
CH	CY	Flach, Carol R.; Gericke, Amer Keough, Kevin M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-C alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films, Biochimica et Biophysica Acta 1416 (1999), p. 11-20.
LH	CZ	Flach, Carol R.; Xu, Zhi; Xlaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Mondayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Ceramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, p. 1060-1068.
CHI	CA1	Blaudez, D.; Boucher, F.; Buffeteau, T.; Desbat, B.; Grandbols, M.; Salesse, C.: Anisotropic

-			
Examiner	CONSTANTINE HANNAHER	Date	SEP 2 8 2004
Signature	LUNSTAINTINE HAIVINANCIN	Considered	1 20 2001

· · · · · · · ·

PTO/SB/08±/6 (06-03)
Approved for use through 07/31/2023. OMB 0851-031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Sut	stitute for form 1449A/B/PT	0	2 12 TO 1811	Complete If Known		
				Application Number	10/708,927-Conf. #2926	
	NFORMATION			Fling Date	April 1, 2004	
S	TATEMENT E	BY A	PPLICANT	First Named Inventor	Douglas L. Elmore	
			- :: .	Art Unit	N/A	
	(Use as many she	ots as n	ecessary)	Examiner Name	Not Yet Assigned	
Sheet	3	of	5	Attorney Docket Number	11657-00004-US	

	7		
ડેમ લ્ડફ	1	Optical Constants of Bacteriorhodopain in the Mid-Infrared: Consequence on the	1
2	<u> </u>	Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, p. 1299-1304.	1
CH	CB1	Sahal, H.; Umamure, J.; Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid	+-
V. "	<u> </u>	Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, p. 6249-6255	
17,	CC1	Grandbois, Michel; Desbat, Bernard; Salessel Christian; Monitoring of phospholipida	+
'n		monolayer hydrolysis by phospholipase A2 by use of polarization-modulated Fourier transform	CC
		Infrared spectroscopy, Biophysical Chamistryl 88 (2000), p. 127-135.	
	CD1	Grandbols, Michel; Desbat, Bernard; Blaudez, Daniel; Salesse, Christian; Polarization-	
2		Modulated Infrared Reflection Absorption Solutroscopy Measurement of Phospholipid	CH
1		Monolayer Hydrolysis by Phospholipase C. Langmuir, 1999, 15, p. 6594-6597.	١٠.
AIL	CE1	S.M. Alawi, T. Krug, H.H.Richardson; Characterization and Application to an Infrared Linear	1
CH	1	Array Spectrometer for Time-resolved Infrared Spectroscopy, Applied Spectroscopy, Vol. 47.	1
		<u> No. 10, 19</u> 93, pp. 1626-1630	1
CH	CF1	H.H. Richardson, V.W. Pabst, J.A. Butcher, Jr., A Novel Infrared Spectrometer Using a Unear	
V.1.1	-	Array Detector, Applied Spectoscopy, Vol. 44, No. 5, 1990, pp. 822-825.	<u>L</u> .
N.	CG1	J. Zhao, R.L. McCreery, Multichannel Gourier Transform Raman Spectroscopy: Combining the	1
CH		Advantages of CCDs with Interferenmetry, Applied Spectroscopy, Vol. 50, No. 9, 1996, pp.	
	OH4	1209-1214.	<u>.</u>
Next	CH1	P. Hamm, S. Wlemann, M. Zurek, W. Zinth, Highly Sensitive Multichannel Spectrometer for	
CH	i	Subpicosecond Spectroscopy in the Mid Imrared, Institut fur Mediznische Optik, Optics	1
	011	Letters, Vol. 19., No. 20, pp. 1042-1044, 1994. April	
' .	CII	D.L. Elmore, Mel-Wei Tsao, S. Frisk, D.B. Chase, J.F. Rabolt, Design and Performance of a	1
7.		Planar Array Infrared Spectrograph that Operates in the 3400 to 2000 cm-1 Region, Applied	
	CJ1	Spectroscopy, Vol. 58, No. 2, 2002.	ب
1.1	W1	Yamamoto, Klyoshi; Ishida, Hatsuo, Interpretation of Reflection and Transmission Spectra for	100
	CK1	Thin Films: Reflection, Applied Spectroscopy, Vol. 48, No. 7, 1994, pp. 775-787.	
<i></i>	OK!	Yamamoto, Kiyoshi; Ishida, Hatsuo: Optical Theory Applied to Infrared Spectroscopy, Vibrational Spectroscopy, 8 (1994), pp. 1-36, pp. 1-36.	CD
	CL1	Gericka, Ame; Michallov, Alexander V; Huhndriuss, Heinrich: Polarized external infrared	122
.,		reflection-absorption spectromatry at the air/valer interface; comparison of experimental and	
		theoretical results for different angles of incidence, Vibrational Spectroscopy, 4 (1993), pp.	CE
		335-348.	1
	CM1	Mendelsohn, Richard; Brauner Joseph W.; Gericke, Ame: External infrared reflection	├
. 1		absorption spectrometry of monolayer films at the air-water interface, Annu. Rec. Phys Chem	CF
٠, }		1995, 48, pp. 305-933.	_'
	CN1	Grandbois, Michel; Desbat, Bernard; Salessel Christian: Monitoring of phospholipids	├
		monolayer hydrolysis by phospholipase A2 by use of potarization-modulated Fourier transform	6
1		infrared spectroscopy, Biophysical Chemist, 88 (2000), pp.127-135.	١٠٠
· . [CO1	Grandbois, Michel; Desbat, Bernard; Blaudez, Daniel; Salesse, Christian; Polarization-	_
		Modulated Infrared Reflection Absorption Solictroscopy Measurement of Phospholicid	CH
- 1		Monolayer Hydrolysis by Phospholipase C. Lanomuir, Vol. 15, No. 19, 1999, pp. 6594-6597	
33	CP1	Flach, Carol R.; Brauner, Joseph W.; Mendelsohn, Richard; Calcium Ion Interactions with	
- 31		Insoluble Phospholipid Monolayer Films at the AW Interlace. External Reflection Absorption	CI
		IH Studies, Biophysical Journal, Vol. 65, November 1993, pp. 1994-2001.	عرت ا
	COI	Mitchell, Melody L.; Dluhy, Richard A.; In Sifu FT-18 Investigation of Phospholipid Monolever	
10		Phase Transitions of the Air-Water Interface, Journal of the American Chemical Society, 1988.	47
لننــــــــــــــــــــــــــــــــــــ		1110, pp. 712-718.	
	CR1	Dluhy, Richard A.; Reilly, Kim E.; Hunt, Rodney D.; Mitchell, Melody L.; Mautone, Alan J.;	
San Te			
15. P		Mendelsohn, Richard: Infrared spectroscopid investigations of pulmonary surfactant Surface	CK
18 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Mendelsohn, Richard: Infrared spectroscopid investigations of pulmonary surfactant Surface film transitions at the air-water interface and bulk phase thermotropism, Biophysical Journal,	۲K

Examiner	CONICTANITINE LIABINIALIED	Date	SEP 7.8 7007
Signature	CONSTANTINE HANNAHER	Considered	01 20 2004

PTC/SB/08a/b (06-0 Approved for use through 07/31/2003, OMB 0851-00:

8ubstitu	te for form 1449A	/B/PTO	Supplied the		ted to respond to a collection of information unbase it contains a voild OMS control numb Complete If Known		
			* ****	Application Number	10/708,927-Conf. #2926		
			SCLOSURE	Filing Date	April 1, 2004		
STA	ATEMEN	T BY	APPLICANT	First Named Inventor	Douglas L. Elmore		
	Mina			Art Unit	N/A		
	(Use as men	y sneets as	1 00000001y)	Examiner Name	Not Yet Assigned		
heet	4	of	5	Attorney Docket Number	11657-00004-US		

CS1 Diuhy, Richard A: Quantitative External Reliection Infrared Spectroscopic Analysis of Insoluble Monolayers Spread at the Air-Water Infrared, The Journal of Physical Chemistry, Vol. 90, No. 7, 1988, pp. 1373-1379. CT1 Rabolt, J.F.; Burns, F.C.; Schlotter, N.W.; Swaten, J.D.: Molecular orientation in thin monolayer films by infrared spectroscopy, Journal of Electron Spectroscopy and Related Phenomena, 30 (1983), p. 29-34. CU1 Flach, Carol R.; Gericke, Arne; Mendelsohn Richard: Quantitative Determination of Molecular Chain Tilt Angles in Monolayer Films at the Air/Water Interface: Infrared Reflection/Absorption Spectroscopy of Behenic Acid Methyl Ester, J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-65. CV1 Hunt, Rodney D.; Mitchell, Melody L.; Diuhyl Richard A.: The Interfacial Structure of Phospholipid Monolayer Films: and Infrared Reflectance Study, Journal of Molecular Structure, 214 (1989), pp. 83-109. CW1 Gericke, Arne; Mendelsohn, Richard; Partial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hexadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1998, 12, pp. 758-762. CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung		L^{-}	Vol. 66, December 1989, pp. 1173-1181.	_
7. 1988, pp. 1373-1379. CT1 Raboll, JF. Burns, F.G.; Schlotter, N.W.; Syraten, J.D.: Molecular orientation in thin monolayer films by infrared spectroacopy, Journal of Electron Spectroacopy and Related Phenomena, 30 (1983), p. 29-34. CU1 Flach, Carol R.; Gericke, Arne; Mandelsohn Richard: Quantitative Determination of Molecular Chain Tilt Angles in Monolayer Films at the Air/Water Interface: Infrared Reflection/Absorption Spectroscopy of Behelle Acid Methyl. Ested J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-65. CV1 Hunt, Rodney D.; Mitchell, Melody L.; Diuhyl Richard A.; The Interfacel Structure of Phospholipid Monolayer Films; and Infrared Reflectance Study, Journal of Molecular Structure, 214 (1989), pp. 83-109. CW1 Gericke, Arne; Mendelsohn, Richard: Partial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hoxadecanoic Acid Monolayers at the Air/Water Infrared. Langmutr. 1988, 12, pp. 758-752. CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung Surfactant SP-C and Le Dipalmitoryhoposphatidylchotine in Aqueeus Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CY1 Baszkin, Adam; Morde, William: Physical Chemistry of Biological Interfaces, Infrared CR Spectroscopy, pp. 715-747. CX1 Knobler, Charles M.; Desal, Rashmi C.; Phade Transitions in Monolayers, Amu. Rec. Phys. C5-10m. 1992, 43, pp. 208-238. CA2 Bilaudez, Darviel; Buffeteau, Thierry; Desbert, Bernard; Turlet, Jean Marie; Infrared and Ramen Spectroscopy on the Community of the Chemical Socience, 4 (1989), pp. 285-272. CB2 Buffeteau, T.; Le Calvez, E.; Cestaino, S.; Desbar, B.; Optical Constant Determination in the Infrared of Unlaxially Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem. B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Cestaino, S.; Desbar, B.; Blaudez, D.; Potron B., 1999, 103, pp. 5020-5027. CD3 Dicko, Awa; Bourque, Helene; Pezclet, Michell: Study by Infrared Spectroscopy of the conforma		CS1	Dluhy, Richard A: Quantitative External Reliection Infrared Spectroscopic Applyais of Inscription	,
monotayer time by intraved spectroscopy, Journal of Electron Spectroscopy and Related Phenomena, 30 (1983), p. 29-34. CUI Flach, Carol R.; Gericke, Arne; Mendelsohn Richard: Quantitative Determination of Molecular Chain Tilt Angles in Monotayer Films at the Air/Water Interfaces: Intrared Reflection/Absorption Spectroscopy of Behenic Acid Melityl: Ested J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-62. CVI Hunt, Rodney D.; Mitchell, Melody L.; Diuhy Richard A.: The Interfacial Structure of Phospholipid Monolayer Films: and Intrared Reflectance Study, Journal of Molecular Structure, 214 (1989), pp. 83-109. CWI Gericke, Arne; Mendelsohn, Richard: Partia/Chain Deuteration as an IRRAS Probe of Cordomational Order of Different Regions in Moxadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1988, 12, pp. 758-762/ CXI Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung Surfactant SP-C and La-Dipalmitotyphosphatidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CYI Baszidn, Adam: Norde, William: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CXI Knobler, Charles M.; Desal, Rashmi C.: Phaye Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-236. CA2 Blaudez, Daniel; Buffeteau, Thierry, Desbat, Bernard; Turlet, Jean Marie: Infrared and Remen Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), CD. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Unladally Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1989, 103, pp. 5020-5027. CC2 Buffeteau, T.; Blaudez, E.; Cestaino, S.; Desbat, B.; Blaudez, D.; Dufouroq, J.; Anisotropic Optical Constants of a Helix and,6-Shest Secondary Structures in the Infrared, American Chemical Scodey, pp. 1-16. CD2 Olcko, Awa; Bourque, Helene; Pezolet, Michill Study by Infrared spectroscopy of the conformation				4
CUI Flach, Carol R.; Gericke, Arne, Mendelsohn Richard: Quantitative Determination of Molscular Chain Tilt Angles in Monolayer Films at the Air/Water Interface: Infrared Reflection/Absorption Spectroscopy of Behenic Acid Methyl Ested J. Phys. Chem. B., Vol. 101, No. 1, 1937, p. 58-65. CVI Hunt, Rodney D.; Mitchell, Melody L.; Diuhy Richard A.: The Interfacial Structure of Phospholipid Monolayer Films: and Infrared Reflectance Study, Journal of Molecular Structure, 214 (1989), pp. 83-109. CWI Gericke, Arne; Mendelsohn, Richard: Partial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hoxadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1988, 12, pp. 758-762. CXI Gericke, Arne; Flach, Carol R.; Mendelsohn Flichard: Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitoytohosphalidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 482-499. CYI Baszidin, Adam; Nords, William: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CCI Knobler, Charles M.; Desal, Rashmi C.; Phage Transitions in Monolayers, Amu. Rac. Phys. Chem. 1992, 43, pp. 208-234. CA2 Blaudez, Daniel; Buffeteau, Thierry, Desbat, Barnard; Turlet, Jean Marie; Infrared and Ramen Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 285-272. Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Uniadally Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem. B. 1989, 103, pp. 5005-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbaf, B.; Blaudez, D.; Duffourod, J.; Anisctropic Optical Constants of a Helix and,8-Sheet Secondary Structures in the Infrared, American Conformation of dipalmitoylphosphaticylglyopfor monoleyers at the air-water interface and transferred on solid substrates, Chemits and Physics of Lipide, 98 (1998), pp. 25-199. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbaf, B.; Blaudez, D		CT1	Rabolt, J.F.; Burns, F.C.; Schlotter, N.W.; Swalen, J.D.: Molecular orientation in thin	T
CUI Flach, Carol R.; Gericke, Arne; Mendelsohn Richard: Quantitative Determination of Molecular Chain Tilt Angles in Monolayer Films at the Air/Water Interfaces: Infrared Reflection/Absorption Spectroscopy of Behenic Acid Melityl. Ested J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-65. CVI Hunt, Rodney D.; Mitchell, Melody L.; Diuhy Richard A.: The Interfacial Structure of Phospholipid Monolayer Films: and Infrared Reflectance Study, Journal of Molecular Structure, 214 (1989), pp. 83-109. CWI Gericke, Arne; Mendelsohn, Richard: Partial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hoxadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1988, 12, pp. 758-762/ CXI Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung Surfactant Sp-C and La-Diplamitotyphosphatidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CYI Baszidn, Adam: Norde, William: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CZ1 Knobler, Charles M.; Desal, Rachmi C.: Phare Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-236. CA2 Blaudez, Daniel; Buffateau, Thierry, Desbat, Bernard; Turlet, Jean Marie: Infrared and Ramen Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Unladally Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1989, 103, pp. 5020-5027. CC2 Buffeteau, T.; Blaudez, E.; Castaino, S.; Desbat, B.; Blaudez, D.; Dufourog, J.; Anisotropic Optical Constants of a Helix and, 6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-18. CD2 Olcko, Awa; Bourque, Helene; Pezolet, Michiel: Study by infrared spectroscopy of the conformation of dipalmitoylphosphaticy(ployfol monolayers at the air-water interface and Irransferred on solid substrates, Che			Phenomena, 30 (1983), p. 29-34.	KW
Chain Tilt Angles in Monolayer Films at the Air/Water Interfaces: Infrared Reflection/Absorption Spectroscopy of Behenle Acid Methyl Ested J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-65. CV1 Hunt, Rodney D.; Mitchell, Mekody L.; Diuhyl Richard A.; The Interfacial Structure of Phospholipid Monolayer Films; and Infrared Reflectance Study, Journal of Molecular Structure, CO 214 (1989), pp. 63-109. CW1 Gericks, Arne; Mendelsohn, Richard; Perital Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hexadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1998, 12, pp. 755-762. CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn, Richard; Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitor/phosphalidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 482-499. CY1 Baszkin, Adam; Nords, Willem: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CX2 Knobler, Charles M.; Desal, Rashmi C.; Phase Transitions in Monolayers, Amu, Rec. Phys. Chem. 1992, 43, pp. 208-238. CA2 Bilaudez, Daniel; Buffetaeu, Thierry, Desbat, Bernard; Turlet, Jean Marie; Infrared and Ramen Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pers, E.; Desbat, B.; Optical Constant Determination in the Infrared of Uniaxially Criented Monotayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 2502-5527. CC2 Buffeteau, T.; E Calvez, E.; Castano, S.; Desbaf, B.; Blaudez, D.; Dufouroq, J.; Anisotropic Optical Constants of a Helpix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-8. CD2 Dicko, Awa; Bourque, Hellenc; Pezolet, Michalt; Study by Infrared Spectroscopy of the conformation of dipalmitoyliphosphatidyliphyging monolayers at the air-water interface and Ingras Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain In a Fathy-Acid Homoge		CU1	Flach, Carol R.; Gericke, Arna: Mandelsohn/ Bichard: Quantitative Determination of Molecular	+
Phospholipid Monolayer Films: and Infrared Reflectance Study, Journal of Molecular Structure, CO (214 (1989), pp. 83-109. CW1 Gericke, Arne; Mendelsohn, Richard: Partial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hoxadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1998, 12, pp. 759-762. CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitor/phosphatidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CY1 Baszkin, Adam; Norde, William: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CX1 Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-238. CA2 Blaudez, Daniel; Bulfieteau, Thierry; Desbat, Bernard; Turiet, Jean Marie: Infrared and Raman Spectroscopies of monolayers at the air-water interface, Coliold & Interface Science, 4 (1989), pp. 265-272. CB2 Buffeteau, T.; Blaudez, D.: Pere, E.; Desbat, B.: Optical Constant Determination in the Infrared of Unlaxedily Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5502-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbat, B.; Blaudez, D.; Dufouroq, J.: Anisotropic Optical Constants of a-Helix and,6-Shest Secondary Structures in the Infrared, American Chemical Society, pp. 1-8. CD2 Olcko, Awa; Bourque, Helene; Pezciet, Michigli: Study by Infrared spectroscopy of the conformation of dipalmitorylphosphatidylglyogfor monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipide, 98 (1998), 25-139. CE2 Fiach, Carol R.; Garicke, Arne; Koough, Keviff M.W.; Mendelsohn, Rischard: Improved IRRAS Apparatus for Studies of Aqueous Michigles of Infrared. Constantion of the Orientation of Each Chain in a Fathy-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 53, No. 8, 2001, pp. 1080-1066. CH2 Sahal, H.; Umemure, J.:			Chain Tilt Angles in Monolayer Films at the Air/Water Interface: Infrared Reflection/Absorption Spectroscopy of Behenic Acid Methyl Ester J. Phys. Chem. B., Vol. 101, No. 1, 1997, p. 58-65.	CN
CW1 Gericke, Arne; Mendelsohn, Richard; Pertial Chain Deuteration as an IRRAS Probe of Conformational Order of Different Regions in Hoxadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1998, 12, pp. 759-762. CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard; Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitor/phosphralidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CY1 Baszkin, Adam; Norde, Willem: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, Pp. 715-747. CZ1 Knobler, Charles M.; Desal, Rashmi C.; Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-234. CA2 Blaudez, Darviel; Buffeteau, Thierry; Desbat, Bernard; Turlet, Jean Marie; Infrared and Raman Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Unlaxially Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbat, B.; Blaudez, D.; Dufourod, J.; Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Socieny, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michel: Study by Infrared spectroscopy of the conformation of dipalmitoylphosphatidylglyogrof monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipide, 98 (1999), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Improved Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Moholayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Ceramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1080-1066. CM2 Sahal, H.; Umemu		CV1	Phospholipid Monolayer Films: and Infrared Reflectance Study, Journal of Molecular Structure	Co
Cordormational Order of Officerent Regions in Hoxadacanoic Acid Monolayers at the Air/Water Interface, Langmuir, 1988, 12, pp. 758-762 CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitorythosphatidylcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, Juh 1987, pp. 492-499. CY1 Baszidn, Adam; Norde, William: Physical Chemisity of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CX1 Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-234. CA2 Blaudez, Daniel; Buffeteau, Thierry: Desbatt, Barnard; Turiet, Jean Marie: Infrared and Raman Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 265-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Uniaxelly Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbat, B.; Blaudez, D.; Dufouroq, J.; Anisotropic Optical Constants of a-Helix and,8-Sheet Secondary Structures in the Infrared, American Conformation of dipalmitorylphosphatidy(glyopfol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mandelsohn, Richard: Palmitoylation of lung auricatant protein SP-O alters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitorylphosphatidy(choline Langmuir films, Biochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu. Zhi; Xiaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geranide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-0066. CH2 Sahal, H.; Umemure, J.; Mofecu		MAI	214 (1989), pp. 83-109.	
CX1 Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard: Structure and Orientation of Lung Surfactant SP-C and L-a-Dipalmitorythosphalidytcholine in Aqueous Monolayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CX1 Baszkin, Adam; Norde, Willem: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CX2 Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-238. CA2 Blaudez, Daniel; Buffeteau, Thierry; Desbet, Bernard; Turlet, Jean Marie; Infrared and Ramen Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1999), pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbal, B.; Optical Constant Determination in the Infrared of Unlaxially Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B. 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbal, B.; Blaudez, D.; Durfourog, J.; Anisotropic Optical Constants of a-Helix and 8-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-8. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michile; Study by Infrared spectroscopy of the conformation of dipalmitotylphosphatidylglyofrol monolayers at the air-water imerface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviff M.W.; Mendelsohn, Richard: Pelmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphdsphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zh; Xiachong, Bi; Braunie, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Moholayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CH2 Sahal, H.; Umemure, J.: Molecular Orientation in Lan	81	CW	Conformational Order of Different Regions in Heyadecanoic Acid Monoleyers et the Air-Water	ĊΡ
Surfactant SP-C and L-a-Dipalmitoryphosphatidytcholine in Aqueous Monotayers, Biophysical Journal, Vol. 73, July1997, pp. 492-499. CY1 Baszkin, Adam; Norde, Willem: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CZ1 Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monotayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-238. CA2 Blaudez, Daniel; Buffeteau, Thierry; Desbat, Bernard; Turlet, Jean Marie; Infrared and Raman Spectroscoples of monotayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 268-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Unlandally Oriented Monotayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castiaño, S.; Desbat, B.; Blaudez, D.; Dufourod, J.; Anisotropic Optical Constants of a-Helix and,6-Sheet Secoldary Structures in the Infrared, American Chemical Society, pp. 1-8. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michigl: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidylglyogrol monolayers at the air-water interface and transferred on solid substrates, Chemics and Physics of Lipide, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Pelmitoylation of lung surfactant protein SP-O alters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhl; Xiaohong, Bl; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monotayer Films: Determination of the Orientation of Each Chain In a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desyat, B.; Grandbols, M.; Salesse, C.; Anisotropic Optical Constants of Bacteriorhodopsin in the Mi		CX1	Gericke, Arne; Flach, Carol R.; Mendelsohn/Richard; Structure and Orientation of Lung	+
CY1 Baszdin, Adam; Norde, Willem: Physical Chemistry of Biological Interfaces, Infrared Spectroscopy, pp. 715-747. CZ1 Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-236. CA2 Blaudez, Daniel; Buffeteau, Thierry: Desbat, Bernard; Turlet, Jean Marie: Infrared and Raman Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 265-272. CB2 Buffeteau, T.; Blaudez, D.: Pere, E.; Desbat, B.: Optical Constant Determination in the Infrared of Unlandally Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Casitaño, S.; Desbat, B.; Blaudez, D.; Durfourod, J.: Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Milohi: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidy/glyofrol monolayers at the air-water interface and transferred on aclid substrates, Chemist and Physics of Lipide, 98 (1999), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orlentation in 1, 2-dipalmitoylphdsphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Cach Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desylat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Becteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai,		ľ	Surfactant SP-C and L-a-Dipalmitoviphospitation of the in Agricus Mondayers Biophysical	ca
Spectroscopy, pp. 715-747. Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-236. CA2 Blaudez, Daniel; Buffeteau, Thierry; Desbet, Bernard; Turlet, Jean Marie: Intrared and Raman Spectroscoples of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.: Pere, E.; Desbel, B.; Optical Constant Determination in the Infrared of Unlaxedly Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1998, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Cavez, E.; Castaño, S.; Desbel, B.; Blaudez, D.; Dufouroq, J.: Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Olcko, Awa; Bourque, Helene: Pezolet, Michtyl: Study by infrared spectroscopy of the conformation of dipalmitolylphosphatidylglyodrol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface transmodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zh; Xiaohong, Bi; Braunier, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain In a Fatty-Acid Homogeneous Oeramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desylat, B.; Grandbols, M.; Salesse, C.; Anisotropio Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation Naphied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.; Molecular Orientatión in Langmuir Films of 12-Hydrosystearic Acid			Journal, Vol. 73, July 1997, pp. 492-499.	
CZ1 Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monolayers, Amu. Rec. Phys. Chem. 1992, 43, pp. 208-236. CA2 Blaudez, Daniel; Buffeteau, Thierry; Desbat, Bernard; Turlet, Jean Marie; Infrared and Raman Spectroscoples of monolayers at the air-water interface, Colloid & Interface Science, 4 (1989), .pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Dasbat, B.; Optical Constant Determination in the Infrared of Unlaxeally Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbaf, B.; Blaudez, D.; Dufouroq, J.: Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michig: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidylglyodrol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1999), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mandelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desylat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsila in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientatión in Langmuir, Films of 12-Hydroxysteario Acid Studied by Infrared Ex		CTI	Spectroscopy, pp. 715-747.	<r< td=""></r<>
CA2 Blaudez, Daniel; Buffeteau, Thierry; Desbat, Bernard; Turlet, Jean Marie: Infrared and Ramen Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1999), pp. 265-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Uniaxially Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbat, B.; Blaudez, D.; Dufouroq, J.; Anisotropic Optical Constants of a-Helix and,8-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolat, Michig: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidy/glyogrol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O siters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphdsphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geranide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desyat, B.; Grandbols, M.; Salesse, C.; Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahal, H.; Umemure, J.; Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 8249-8255	2	CZ1	Knobler, Charles M.; Desal, Rashmi C.: Phase Transitions in Monoleyers, Amu. Rec. Phys.	Z'S
Spectroscoples of monolayers at the air-water interface, Colloid & Interface Science, 4 (1999), pp. 285-272. CB2 Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared of Uniaxially Oriented Monolayers from Transmittance and Reflectance Measurements, J. Phys. Chem B., 1999, 103, pp. 5020-5027. CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbaf, B.; Blaudez, D.; Dufourog, J.; Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezotet, Michig: Study by Infrared spectroscopy of the conformation of dipalmitoylphosphatidylglyogrol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Kevifi M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zh; Xiaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain In a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55. No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desylat, B.; Grandbols, M.; Salesse, C.; Anisotropic Optical Constants of Becteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umomure, J.; Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy. Langmuir, 1998, 14, pp. 8249-8255.	1.	CA2	Blaudez, Daniel; Buffeteau, Thierry: Desbat, Bernard; Turiet, Jean Maria; Intrared and Remen	 -
CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbaf, B.; Blaudez, D.; Dufourod, J.; Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michel: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidylglycerol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipide, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Kevijf M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xlachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Destat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahal, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		Spectroscopies of monolayers at the air-water interface, Colloid & Interface Science, 4 (1999), .pp. 265-272.	CT
CC2 Buffeteau, T.; Le Calvez, E.; Castaño, S.; Desbaf, B.; Blaudez, D.; Dufourod, J.; Anisotropic Optical Constants of a-Helix and,6-Sheet Secondary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michel: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidylglycerol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipide, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Kevijf M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xlachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Destat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahal, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255		CB2	Buffeteau, T.; Blaudez, D.; Pere, E.; Desbat, B.; Optical Constant Determination in the Infrared	
CC2 Buffeteau, T.; Le Calvez, E.; Castano, S.; Desbaf, B.; Blaudez, D.; Dufouroq, J.: Anisotropic Optical Constants of a-Helix and,6-Sheet Secoldary Structures in the Infrared, American Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michaf: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidylglyogrof monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 96 (1998), pp. 25-139. CE2 Flach, Carol R.; Garicke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Destat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Shal, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255	, ,		Phys. Chem B., 1999, 103, pp.:5020:5027.	<u>ا</u> ۷
Chemical Society, pp. 1-6. CD2 Dicko, Awa; Bourque, Helene; Pezolet, Michyl: Study by infrared spectroscopy of the conformation of dipalmitoylphosphatidylgivegrol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphdsphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zh; Xlachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Destat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Shali, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.		CC2	Buffeteau, T.; Le Calvez, E.; Castano, S.; Dashaf, B.; Blaudez, D.; Dufoured, I.; Anisotropic	
CE2 Dicko, Awa; Bourque, Helene; Pezclet, Michal: Study by Infrared spectroscopy of the conformation of dipalmitoylphosphatidylglycerol monolayers at the air-water interface and transferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), pp. 25-139. CE2 Flach, Carol R.; Gericke, Arne; Keough, Keviji M.W.; Mandelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xlachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desdat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255	()		Optical Constants of a-Helix and 6-Shaet Secondary Structures in the Infrared American	ćW
CE2 Flach, Carol R.; Gericke, Arne; Keough, Kevijf M.W.; Mandelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface themodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidylcholine Langmuir films. Biochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiaohang, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Mondayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Destat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.	10.1	CD2	Dicko, Awa; Bourgue, Helene: Pezolat, Michael Study by infrared spectroscopy of the	\vdash
Flach, Carol R.; Garicke, Arne; Keough, Keviji M.W.; Mendelsohn, Richard: Palmitoylation of lung surfactant protein SP-O alters surface thermodynamics, but not protein secondary structure or orientation in 1, 2-dipalmitoylphosphatidytcholine Langmuir films. Biochimica et Biophysica Acta 1416 (1999), pp. 11-20. CF2 Fisch, Carol R.; Xu, Zhl; Xlachong, Bl; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Destat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.			conformation of dipainitoyiphosphaticyigiyogrol monolayers at the air-water interface and itransferred on solid substrates, Chemist and Physics of Lipids, 98 (1998), no. 25-139	cx
Structure or orientation in 1, 2-dipalmitoy/phdsphatidylcholine Langmuir films. Blochimica et Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desylat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.		CE2	Flach, Carol R.; Gericke, Arne; Keough, Kevill M.W.; Mendelsohn, Richard: Palmitoviation of	
Biophysica Acta 1418 (1999), pp. 11-20. CF2 Flach, Carol R.; Xu, Zhi; Xiaohong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Mondayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Dasidat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.	1.7	Į	lung sunaciam protein SP-O alters surface triemodynamics, but not protein secondary	CY
CF2 Flach, Carol R.; Xu, Zhi; Xlachong, Bi; Brauner, Joseph W.; Mendelsohn, Richard: Improved IRRAS Apparatus for Studies of Aqueous Monolayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desifat, 8.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.	¥	1	Biophysica Acta 1418 (1999) pp. 11-20	_ '
IRRAS Apparatus for Studies of Aqueous Moholayer Films: Determination of the Orientation of Each Chain in a Fatty-Acid Homogeneous Geramide 2, Applied Spectroscopy, Vol. 55, No. 8, 2001, pp. 1060-1066. CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Design, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation. Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahal, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255.		CF2	Flach, Carol R.; Xu, Zhi; Xiaohong, Bi; Braunic, Joseph W.; Mendelsohn, Richard: Improved	
CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Design, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation. Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1298-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255	٠٠٠)		IMMAS Apparatus for Studies of Aqueous Monolaver Films: Determination of the Orientation of I	/4
CG2 Blaudez, D.; Boucher, F.; Buffeteau, T.; Desdat, B.; Grandbols, M.; Salesse, C.: Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Oetermination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255			Each Chain in a Fatty-Acid Homogeneous Ceramide 2. Applied Spectroscopy, Vol. 55, No. 9	4
Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299-1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255		CG2		
Obtermination of a-Helix Orientation, Applied Spectroscopy, Vol. 53, No. 10, 1999, pp. 1299- 1304. CH2 Sahai, H.; Umemure, J.: Molecular Orientation in Langmuir Films of 12-Hydroxystearic Acid Studied by Infrared External Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255	, 1	~	Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the	,
Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 6249-6255			Determination of a-Helix Orientation,: Applied Spectroscopy, Vol. 53, No. 10, 1999, op. 1299-	CAI
C12 Grandbols, Michel; Dasbat, Bernard; Salesse, Christian: Monitoring of phospholipida			Sahal, H.; Umemure, J.: Molecular Crientation in Langmuir Films of 12-Hydroxystearlo Acid Studied by Infrared External-Reflection Spectroscopy, Langmuir, 1998, 14, pp. 8249, 8255	<u>cBI</u>
		CI2	Grandbols, Michel; Desbat, Bernard; Salesse, Christian: Monitoring of phospholinida	

PTO/SB/08a/b (06-03)
Approved for use through 07/31/2003. OMB 0651-0031
U.S. Paterti and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1440AE/OTO				and to respond to a collection of information unitess it contains a valid CMRB control number Complete If Known		
			eder der _{der}	Application Number	10/708,927-Conf. #2926	
11	NFORMATIO	V DIS	CLOSURE	Filing Date	April 1, 2004	
5	STATEMENT	BY A	PPLICANT	First Named Inventor	Douglas L. Elmore	
				Art Unit	NA	
	(Use as many sh	ects as r	necessary)	Examiner Name	Not Yet Assigned	
Sheet	5	of	5	Attorney Docket Number	11657-00004-US	

27.50		monolayer hydrolysis by phospholipase A2 by use of polarization-modulated Fourier transform infrared spectroscopy, Biophysical Chemist, 88 (2000), pp. 127-135.	
	CJ2	Grandbois, Michel; Desbat, Bernard; Blaudiz, Daniel; Salesse, Christian: Polarization-	CDI

^{*}EXAMINER: Inwar it reterence considered, whether or not challen is in conformance with MPEP 809. Draw line through challen if not in conformance and not considered, include copy of sits form with next communication to applicant.

Examiner CONSTANTINE HANNAHER Date Considered SEP 2 8 2004

^{&#}x27;Applicant's unique chation designation number (optional). "Applicant's in place a check mark here if English language Translation is exached.